

ABSTRACT OF THE DISCLOSURE

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An object of the present invention is to provide a production apparatus and method of a fluoride crystal, and a crucible for the growth capable of efficiently eliminating impurities and a scavenger remained in the crystal so as to produce a fluoride crystal with a high transmissivity. A crucible divided into a plurality to have multi-stages is used for refining a material in the material refining process by adding a scavenger in the material. Further, a degassing hole was provided to the side wall portion of the crucible. A crucible of the present invention has at least two degassing holes at the side wall portion. Further, a crucible of the present invention has a connecting hole at the center part of the bottom face with at least two degassing holes in the side wall portion.